

The meeting focused the job list for the AGS pp run data analysis.

1. We took a lot ORM data at injection and extraction. The analyses done by Mei/Vincent and Leif so far show disagreement. Vincent is going to take Todd's machinery which is a full package analysis tool and redo the analysis. Leif is going to check with Vincent what data set should be analyzed.

2. Kevin will look at the tune measurements with different Bdot.

3. There were tune measurements along ramp with cold snake on and off. Leif is going to sort the data out. We then can compare the tune difference with MAD calculation.

4. Haixin will sort out the $G\gamma = 7.5$ polarization measurements with different emittance. This will help to compare the data with future simulation.

5. Alfredo will track particles with different trajectory through helical partial snakes with SNIG. If the amount spin rotation and rotation axis are sensitive to the trajectory, we may have an explanation for the lower than expected polarization measured at $G\gamma = 7.5$. The 2nd order matrices(not preferred, long tracking time) or cutting snakes into smaller segments in the tracking will then be implemented in the SPINK tracking code.

6. To compare with IPM emittance data, Kevin asked if we have beam σ saved for each polarimeter target scan. We don't have them logged except the picture in the elog. We will make a separate request list and give to Kin/Seth for the polarimeter application. This also brings up the question if we can ask operation group for help to dig this and other related information out from elog (such as time stamp, target, intensity, etc.). Leif will check with Pete for manpower availability.

7. Kevin asked if we are sure that the Booster extraction energy is not near the $0+\nu_y$ intrinsic resonance in the Booster. Haixin recalled the last check of Booster tune with AGS polarization was seven years ago. Woody pointed out that the power supplies have been changed since. So it may worth of checking it next run.

Haixin